AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A display device comprising a cathode ray tube ~~(1)~~, the cathode ray tube having an electron gun ~~(7)~~ comprising:

a pre-focusing lens portion, for generating a pre-focusing lens field ~~(22)~~, and

a main lens portion, for generating a main lens field ~~(23)~~,

characterized in that the electron gun ~~(7)~~ further comprises an additional grid ~~(10)~~, being positioned in proximity with said main lens portion, whereby a potential Vgx is arranged to be applied to said additional grid ~~(10)~~, for generating, together with one of the potentials Vfoc or Vdyn, an additional lens field ~~(11)~~ in proximity with said main lens field, whereby, in operation, the main lens field and the additional lens field is arranged to cooperate to form an effective main lens field.

2. (Currently Amended) A display device as in claim 1, wherein said pre-focusing lens portion comprises a first electrode (G1) and a second electrode (G2), whereby the potential Vgx applied to said additional grid is equal to the potential Vg2 applied to said second electrode (G2), the potential Vg2 being in the range of 350-1500 V~~, preferably about 700 V~~.

3. (Currently Amended) A display device as in claim 1, wherein said main lens portion comprises a distributed composed field lens, whereby the potential Vgx applied to said additional grid ~~(10)~~ is equal to a potential Vgi applied to an intermediate grid of the distributed composed field lens, wherien Vgi is within the range of 40% to 60% of the potential Va.

4. (Currently Amended) A display device as in ~~any one of claims 1-3~~claim 1, wherein the additional lens field generated by the additonal grid ~~(10)~~ is arranged to be an astigmatic lens field.

5. (Currently Amended) A display device as in ~~any one of claims 1-4~~claim 1, wherein said electron gun ~~(7)~~ further comprises a dynamic astigmatism and focus portion (DAF), and said additional grid ~~(10)~~ is arranged between the dynamic astigmatism and focus portion and the main lens portion.

6. (Currently Amended) A display device as in ~~any one of claims 1-4~~ claim 1, wherein said electron gun ~~(7)~~ further comprises a dynamic astigmatism and focus portion (DAF), and said additional grid ~~(10)~~ is arranged between the dynamic astigmatism and focus portion and the pre-focusing lens portion, in close proximity with the dynamic astigmatism and focus portion.

7. (Currently Amended) A display device as in ~~any one of the preceding claims~~claim 1, wherein the electron gun ~~(7)~~ further comprises a dynamic beam forming section (DBF).

8. (Currently Amended) A cathode ray tube device for use in a display device ~~as claimed in any one of the preceding claims~~, the cathode ray tube having an electron gun comprising:

a pre-focusing lens portion, for generating a pre-focusing lens field, and

a main lens portion, for generating a main lens field.

characterized in that the electron gun further comprises an additional grid being positioned in proximity with said main lens portion, whereby a potential Vgx is arranged to be applied to said additional grid, for generating, together with one of the potentials Vfoc or Vdyn, an additional lens field in proximity with said main lens field, whereby, in operation, the main lens field and the additional lens field is arranged to cooperate to form an effective main lens field.

9. (Currently Amended) An electron gun ~~for use in a device according to any one of the preceeding claims.~~comprising:

a pre-focusing lens portion, for generating a pre-focusing lens field, and

a main lens portion, for generating a main lens field,

characterized in that the electron gun further comprises an additional grid being positioned in proximity with said main lens portion, whereby a potential Vgx is arranged to be applied to said additional grid, for generating, together with one of the potentials Vfoc or Vdyn, an additional lens field in proximity with said main lens field, whereby, in operation, the main lens field and the additional lens field is arranged to cooperate to form an effective main lens field.